

SUPPLEMENTARY DATA

REST rs3796529 Genotype and Rate of Functional Deterioration in Alzheimer's Disease

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Supplementary Table 1. Comorbidities of the AD patients categorized by rs3796529 genotype.

AD patients (n=566)	C/C (n=235)	C/T (n=250)	T/T (n=81)	p value
Diabetes mellitus (n=566)	23.4% (n=55)	18.0% (n=45)	21.0% (n=17)	0.339
Hypertension (n=566)	40.9% (n=96)	48.0% (n=120)	28.4% (n=23)	0.007
Malignancies (n=566)	8.1% (n=19)	7.6% (n=19)	8.6% (n=7)	0.951
Ischemic stroke (n=566)	3.0% (n=7)	8.4% (n=21)	3.7% (n=3)	0.024
Hyperlipidemia (n=566)	2.6% (n=6)	2.8% (n=7)	1.2% (n=1)	0.729
Chronic kidney disease (n=566)	1.3% (n=3)	0.8% (n=2)	0% (n=0)	0.561
COPD (n=566)	1.3% (n=3)	1.2% (n=3)	1.2% (n=1)	0.997

Data are presented as n (%); p value by χ^2 . AD=Alzheimer's disease. COPD=Chronic obstructive pulmonary disease.

Supplementary Table 2. Adjusted hazard ratios of risk factors in AD progression.

Variable	Hazard ratio (95% CI)	p value
Male	0.850 (0.623-1.159)	0.305
Age (years)	0.983 (0.967-0.998)	0.03
Education (years)	1.018 (0.989-1.047)	0.225
Baseline CDR score	0.582 (0.444-0.764)	<0.001
REST rs3796529 genotype (C/C as reference)		
C/T	0.785 (0.600-1.028)	0.079
T/T	0.574 (0.386-0.853)	0.006
Hypertension	1.150 (0.892-1.483)	0.280
Ischemic stroke	0.818 (0.495-1.351)	0.433

Variables with more than 10% missing data were not added in the multivariate analysis (medication and ApoE genotype).

AD=Alzheimer's disease; CI=confidence interval; CDR=Clinical Dementia Rating